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/// PLUSPAT - ©QUESTEL-ORBIT - image

**PN** - **US5537157** A 19960716 [**US5537157**]  
**TI** - (A) Multi-format audio/video production system  
**PA** - (A) WASHINO KINYA (US)  
**IN** - (A) WASHINO KINYA (US); SCHWAB BARRY H (US)  
**AP** - US29810494 19940830 [1994US-0298104]  
**PR** - US29810494 19940830 [1994US-0298104]  
US5086193 19930421 [1993US-0050861]  
WOUS9601501 19960123 [1996WO-US01501]  
**IC** - (A) H04N-005/46 H04N-007/01  
**EC** - G06F-003/14  
G11B-027/031  
G11B-027/34  
H04N-001/00C7B  
H04N-005/222  
H04N-005/232  
H04N-005/232C  
H04N-005/765  
H04N-007/01H  
H04N-007/10  
H04N-007/14A3  
H04N-007/15  
H04N-007/18C  
H04N-009/804B  
**ICO** - S06F-003/14T  
S09G-227/02  
T04N-005/44N  
T04N-005/44W  
T04N-005/77B  
T04N-005/781  
T04N-005/85  
T04N-005/915  
T04N-005/926B  
T04N-009/64A  
**PCL** - ORIGINAL (O) : 348722000; CROSS-REFERENCE (X) : 348445000 348554000 348556000 348911000  
**DT** - Corresponding document  
**CT** - US4633293; US5045932; US5243433; US5327235; EP314873; EP514012; WO015586  
G. Demos, "An Example of Hierarchy of Formats for HDTV", SMPTE Journal, Sep. 1992, pp. 609-617.

J. S. Lim, "A Proposal for an HDTV/ATV Standard with Multiple Transmission Formats", SMPTE Journal, Aug. 1993, pp. 699-702.

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G. Reitmeier, C. Carlson, E. Geiger, D. Westerkamp, "The Digital Hierarchy--A Blueprint for Television in the 21st Century", SMPTE Journal, Jul. 1992, pp. 466-470.

L. J. Thorpe, T. Hanabusa, "If Progressive Scanning is So Good, How Bad is Interlace?", SMPTE Journal, Dec. 1990, pp. 972-986.

**STG** - (A) United States patent

**AB** - An audio/video production system facilitates professional quality image manipulation and editing using an enhanced general-purpose hardware. A program input may be translated into any of a variety of graphics or television formats, including NTSC, PAL, SECAM and HDTV, and stored as data-compressed images, using any of several commercially available methods such as Motion JPEG, MPEG, etc. While being processed, the images may be re-sized to produce a desired aspect ratio or dimensions using conventional techniques such as pixel interpolation. Frame rate conversion to and from conventional formats is performed by using the techniques employed for film-to-NTSC and film-to-PAL transfers, or by inter-frame interpolation, all well known in the art. By judicious selection of the optimal digitizing parameters, the system allows a user to establish an inter-related family of aspect ratios, resolutions, and frame rates, yet remain compatible with currently available and planned graphics and television formats.

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1 / 1 LGST - ©LEGSTAT

**PN** - US 5537157 [US5537157]

**AP** - US 298104/94 19940830 [1994US-0298104]

**DT** - US-P

**ACT** - 19940830 US/AE-A  
APPLICATION DATA (PATENT)  
US 298104/94 19940830 [1994US-0298104]

19950320 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
WASHINO, KINYA 80 HAMILTON AVE. DUMONT, NEW JERSEY 07624 \* SCHWAB, BARRY H. :  
19950301

19960716 US/A  
PATENT

19961224 US/CC  
CERTIFICATE OF CORRECTION

19971103 US/AS02  
ASSIGNMENT OF ASSIGNOR'S INTEREST  
MULTI-FORMAT, INC. 80 HAMILTON AVE. DUMONT, NEW JERSEY 07628 \* WASHINO, KINYA :  
19971029

19980825 US/RF  
REISSUE APPLICATION FILED  
980710

20020430 US/RF  
REISSUE APPLICATION FILED  
20011024

UP - 2002-20

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1 / 1 CRXX - ©CLAIMS/RRX

PN - 5,537,157 A 19960716 [US5537157]  
PA - Washino Kinya  
ACT - 19971103 REASSIGNED  
ASSIGNMENT OF ASSIGNOR'S INTEREST

Assignor: WASHINO, KINYA DATE SIGNED: 10/29/1997

Assignee: MULTI-FORMAT, INC. 80 HAMILTON AVE. DUMONT, NEW JERSEY 07628

Reel 008773/Frame 0377

Contact: GIFFORD KRASS GROH JOHN G. POSA 280 N. OLD WOODWARD AVE. SUITE 400  
BIRMINGHAM, MI 48009

19980710 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 19980825  
REISSUE REQUEST NUMBER: 09/113615  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2711

Reissue Patent Number:

20021024 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20020430  
REISSUE REQUEST NUMBER: 10/004046  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2602

Reissue Patent Number:

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1 / 3 PAST - ©Thomson Derwent

AN - 200218-001823  
PN - 5537157 A [US5537157]  
OG - 2002-04-30  
ACT - REISSUE APPLICATION FILED

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2 / 3 PAST - ©Thomson Derwent

AN - 199834-000966

PN - 5537157 A [US5537157]  
OG - 1998-08-25  
ACT - REISSUE APPLICATION FILED

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3 / 3 PAST - ©Thomson Derwent

AN - 199652-000083  
PN - 5537157 A [US5537157]  
OG - 1996-12-24  
ACT - CERTIFICATE OF CORRECTION

5537157

LEXIS-NEXIS  
Library: PATENT  
File: ALL

&lt;=1&gt; GET 1st DRAWING SHEET OF 7

July 16, 1996

## Multi-format audio/video production system

REISSUE: Reissue Application filed Jul. 10, 1998 (O.G. Aug. 25, 1998) Ex. Gp.: 2711; Re. S.N. 09/113,615, (O.G. August 25, 1998)  
October 24, 2001 - Reissue Application filed Ex. Gp.: 2602; Re. S.N. 10/004,046, (O.G. April 30, 2002)

APPL-NO: 298104 (08)

FILED-DATE: August 30, 1994

GRANTED-DATE: July 16, 1996

CORE TERMS: format, video, fps, film, digital, pixel, processor, camera, interface, ratio ...

## ENGLISH-ABST:

An audio/video production system facilitates professional quality image manipulation and editing using an enhanced general-purpose hardware. A program input may be translated into any of a variety of graphics or television formats, including NTSC, PAL, SECAM and HDTV, and stored as data-compressed images, using any of several commercially available methods such as Motion JPEG, MPEG, etc. While being processed, the images may be re-sized to produce a desired aspect ratio or dimensions using conventional techniques such as pixel interpolation. Frame rate conversion to and from conventional formats is performed by using the techniques employed for film-to-NTSC and film-to-PAL transfers, or by inter-frame interpolation, all well known in the art. By judicious selection of the optimal digitizing parameters, the system allows a user to establish an inter-related family of aspect ratios, resolutions, and frame rates, yet remain compatible with currently available and planned graphics and television formats.

remain compatible with currently available and planned graphics and television formats.

5,537,157 OR 5537157

LEXIS-NEXIS  
Library: PATENT  
File: CASES

Your search request has found no CASES.

To edit the above request, use the arrow keys. Be sure to move the cursor to the end of the request before you enter it.

To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.

5,537,157 OR 5537157

LEXIS-NEXIS  
Library: PATENT  
File: JNLS

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To enter a new search request, type it and press the ENTER key.

What you enter will be Search Level 1.

For further explanation, press the H key (for HELP) and then the ENTER key.



November 19, 2002, Tuesday

SECTION: Financial News

LENGTH: 232 words

HEADLINE: ABP - Updated Top 20 shareho

BODY:

... Ltd	6,885,775	2.55
RBC Global Services Australia Nominees Pty Ltd	6,424,211	2.38
Tower Trust Ltd	5,537,157	2.05
Pluteus (No 164) Pty Ltd	2,726,646	1.01
Craig Securities Pty Ltd	2,304,723	0.85
Kendall ...		

File 345:Inpadoc/Fam.& Legal Stat 1968-2002/UD=200304  
(c) 2003 EPO

Set	Items	Description
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S1	1	PN=US 5537157
? t	1/39/1	

1/39/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat  
(c) 2003 EPO. All rts. reserv.

14707589

Basic Patent (No,Kind,Date): CA 2161112 AA 19941027 <No. of Patents: 025>

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date	
CA 2161112	AA	19941027	CA 2161112	A	19940421	(BASIC)
CA 2213973	AA	19960906	CA 2213973	A	19960301	
CA 2215741	AA	19961010	CA 2215741	A	19960404	
CA 2243859	AA	19970731	CA 2243859	A	19960123	
DE 69621782	C0	20020718	DE 69621782	A	19960301	
EP 812509	A1	19971217	EP 96908588	A	19960301	
EP 819358	A1	19980121	EP 96910747	A	19960404	
EP 997039	A1	20000503	EP 96904562	A	19960123	
EP 812509	A4	19990818	EP 96908588	A	19960301	
EP 819358	A4	20000126	EP 96910747	A	19960404	
EP 997039	A4	20000503	EP 96904562	A	19960123	
EP 812509	B1	20020612	EP 96908588	A	19960301	
JP 8509337	T2	19961001	JP 94523574	A	19940421	
JP 11507184	T2	19990622	JP 96526411	A	19960301	
JP 11509996	T2	19990831	JP 96530475	A	19960404	
JP 2001501781	T2	20010206	JP 97526804	A	19960123	
US 5450140	A	19950912	US 50861	A	19930421	
US 5488433	A	19960130	US 396574	A	19950301	
US 5537157	A	19960716	US 298104	A	19940830	
US 5625410	A	19970429	US 418823	A	19950407	
US 37342	E1	20010828	US 16777	A	19980130	
WO 9424813	A1	19941027	WO 94US4383	A	19940421	
WO 9627263	A1	19960906	WO 96US2779	A	19960301	
WO 9631984	A1	19961010	WO 96US4652	A	19960404	
WO 9727704	A1	19970731	WO 96US1501	A	19960123	

Priority Data (No,Kind,Date):

US 50861 A	19930421
WO 96US1501 W	19960123
US 396574 A	19950301
US 418823 A	19950407
CA 2243859 A	19960123
WO 96US2779 W	19960301
WO 96US4652 W	19960404
US 298104 A	19940830
WO 94US4383 W	19940421
WO 96US1501 A	19960123
US 298104 A2	19940830
US 50861 A2	19930421
US 16777 A	19980130
US 396574 A5	19950301

PATENT FAMILY:

CANADA (CA)

Patent (No,Kind,Date): CA 2161112 AA 19941027

MULTIMEDIA VIDEO PRODUCTION SYSTEM (English; French)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): WASHINO KINYA (US)  
 Priority (No,Kind,Date): US 50861 A 19930421; WO 96US1501 W 19960123  
 Applic (No,Kind,Date): CA 2161112 A 19940421  
 Derwent WPI Acc No: \* G 94-342223; G 96-341690  
 Language of Document: English  
 Patent (No,Kind,Date): CA 2213973 AA 19960906  
 DUAL COMPRESSION FORMAT DIGITAL VIDEO PRODUCTION SYSTEM (English; French)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY (US)  
 Priority (No,Kind,Date): US 396574 A 19950301  
 Applic (No,Kind,Date): CA 2213973 A 19960301  
 IPC: \* H04N-005/262; H04N-005/77  
 Language of Document: English  
 Patent (No,Kind,Date): CA 2215741 AA 19961010  
 VIDEO MONITORING AND CONFERENCING SYSTEM (English; French)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
 Priority (No,Kind,Date): US 418823 A 19950407  
 Applic (No,Kind,Date): CA 2215741 A 19960404  
 IPC: \* H04N-007/15  
 Derwent WPI Acc No: \* G 96-465322  
 Language of Document: English  
 Patent (No,Kind,Date): CA 2243859 AA 19970731  
 MULTI-FORMAT AUDIO/VIDEO PRODUCTION SYSTEM WITH FRAME-RATE CONVERSION (English; French)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): SCHWAB BARRY H (US)  
 Priority (No,Kind,Date): CA 2243859 A 19960123  
 Applic (No,Kind,Date): CA 2243859 A 19960123  
 IPC: \* H04N-005/46; H04N-007/015  
 Language of Document: English

#### CANADA (CA)

Legal Status (No, Type, Date, Code, Text):						
CA	2161112	P	19951020	CA	REFW	CORRESPONDS TO PCT APPLICATION (ENTSPRICHT PCT ANMELDUNG)
			WO 9424813	P		
CA	2213973	P	19970827	CA	REFW	CORRESPONDS TO PCT APPLICATION (ENTSPRICHT PCT ANMELDUNG)
			WO 9627263	P		
CA	2215741	P	19970917	CA	REFW	CORRESPONDS TO PCT APPLICATION (ENTSPRICHT PCT ANMELDUNG)
			WO 9631984	P		
CA	2243859	P	19980717	CA	REFW	CORRESPONDS TO PCT APPLICATION (ENTSPRICHT PCT ANMELDUNG)
			WO 9727704	P		

#### GERMANY (DE)

Patent (No,Kind,Date): DE 69621782 C0 20020718  
 DIGITALVIDEO-PRODUKTIONSSYSTEM MIT DOPPELTER SPEICHERUNG DERSELBEN VIDEODATEN EINSCHLIESSLICH ZUGEHÖRIGER ZEITMARKEN FÜR SCHNITTBEARBEITUNG AUF ENTSPRECHENDEN ZWEI WECHSELBAREN DATENTRAEGERN UND MIT JEWELNS UNTERSCHIEDLICHEM KOMPRESSIONSGRAD (German)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): WASHINO KINYA (US); SCHWAB H (US)  
 Priority (No,Kind,Date): US 396574 A 19950301; WO 96US2779 W 19960301

Applic (No,Kind,Date): DE 69621782 A 19960301  
IPC: \* H04N-005/76; G11B-027/031  
Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):  
DE 69621782 P 20020718 DE REF CORRESPONDS TO (ENTSPRICHT)

EP 812509 P 20020718

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 812509 A1 19971217  
DUAL COMPRESSION FORMAT DIGITAL VIDEO PRODUCTION SYSTEM (English;  
French; German)

Patent Assignee: WASHINO KINYA (US)  
Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
Priority (No,Kind,Date): WO 96US2779 W 19960301; US 396574 A  
19950301

Applic (No,Kind,Date): EP 96908588 A 19960301  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-005/76

Language of Document: English

Patent (No,Kind,Date): EP 819358 A1 19980121  
VIDEO MONITORING AND CONFERENCING SYSTEM (English; French; German)

Patent Assignee: WASHINO KINYA (US)  
Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
Priority (No,Kind,Date): WO 96US4652 W 19960404; US 418823 A  
19950407

Applic (No,Kind,Date): EP 96910747 A 19960404  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/18

Derwent WPI Acc No: \* G 96-465322

Language of Document: English

Patent (No,Kind,Date): EP 997039 A1 20000503  
MULTI-FORMAT AUDIO/VIDEO PRODUCTION SYSTEM WITH FRAME-RATE CONVERSION  
(English; French; German)

Patent Assignee: WASHINO KINYA (US)  
Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
Priority (No,Kind,Date): WO 96US1501 W 19960123; US 298104 A  
19940830; US 50861 A 19930421

Applic (No,Kind,Date): EP 96904562 A 19960123  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-007/01

Derwent WPI Acc No: \* G 94-342223; G 96-341690

Language of Document: English

Patent (No,Kind,Date): EP 812509 A4 19990818  
DUAL COMPRESSION FORMAT DIGITAL VIDEO PRODUCTION SYSTEM (English;  
French; German)

Patent Assignee: WASHINO KINYA (US)  
Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
Priority (No,Kind,Date): WO 96US2779 W 19960301; US 396574 A  
19950301

Applic (No,Kind,Date): EP 96908588 A 19960301  
Designated States: (National) DE; FR; GB; NL  
IPC: \* H04N-005/76

Language of Document: English

Patent (No,Kind,Date): EP 819358 A4 20000126  
VIDEO MONITORING AND CONFERENCING SYSTEM (English; French; German)

Patent Assignee: WASHINO KINYA (US)  
Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
Priority (No,Kind,Date): WO 96US4652 W 19960404; US 418823 A

19950407  
 Applic (No,Kind,Date): EP 96910747 A 19960404  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/18  
 Derwent WPI Acc No: \* G 96-465322  
 Language of Document: English  
 Patent (No,Kind,Date): EP 997039 A4 20000503  
 MULTI-FORMAT AUDIO/VIDEO PRODUCTION SYSTEM WITH FRAME-RATE CONVERSION  
 (English; French; German)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
 Priority (No,Kind,Date): WO 96US1501 W 19960123; US 298104 A  
 19940830; US 50861 A 19930421  
 Applic (No,Kind,Date): EP 96904562 A 19960123  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-007/01  
 Derwent WPI Acc No: \* G 94-342223; G 96-341690  
 Language of Document: English  
 Patent (No,Kind,Date): EP 812509 B1 20020612  
 DIGITAL VIDEO PRODUCTION SYSTEM STORING TWICE THE SAME VIDEO DATA ALONG  
 WITH CORRELATED EDIT TIME CODE INFORMATION ON RESPECTIVE TWO  
 REMOVABLE STORAGE MEDIA AT DIFFERENT RATE OF COMPRESSION (English;  
 French; German)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
 Priority (No,Kind,Date): WO 96US2779 W 19960301; US 396574 A  
 19950301  
 Applic (No,Kind,Date): EP 96908588 A 19960301  
 Designated States: (National) DE; FR; GB; NL  
 IPC: \* H04N-005/76; G11B-027/031  
 Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 812509	P	19950301	EP AA	PRIORITY (PATENT APPLICATION)	(PRIORITAET (PATENTANMELDUNG))
				US 396574 A	19950301
EP 812509	P	19960301	EP AA	PCT-APPLICATION	(PCT-ANMELDUNG)
				WO 96US2779 W	19960301
EP 812509	P	19960301	EP AE	EP-APPLICATION	(EUROPAEISCHE ANMELDUNG)
				EP 96908588 A	19960301
EP 812509	P	19971217	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:	(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
				DE FR GB NL	
EP 812509	P	19971217	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT	(VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 812509	P	19971217	EP 17P	REQUEST FOR EXAMINATION FILED	(PRUEFUNGSANTRAG GESTELLT)
				970828	
EP 812509	P	19990818	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT:	(IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE FR GB NL

EP 812509	P	19990818	EP A4	SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) 19990702
EP 812509	P	19990818	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 6H 04N 5/76 A, 6G 11B 27/031 B
EP 812509	P	20001102	EP RTI1	TITEL (CORRECTION) (TITEL (KORR.)) DIGITAL VIDEO PRODUCTION SYSTEM STORING TWICE THE SAME VIDEO DATA ALONG WITH CORRELATED EDIT TIME CODE INFORMATION ON RESPECTIVE TWO REMOVABLE STORAGE MEDIA AT DIFFERENT RATE OF COMPRESSION
EP 812509	P	20010221	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20010105
EP 812509	P	20020605	EP RIN1	INVENTOR (CORRECTION) (ERFINDER (KORR.)) WASHINO, KINYA ; SCHWAB, BARRY, H.
EP 812509	P	20020612	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) DE FR GB NL
EP 812509	P	20020612	EP B1	PATENT SPECIFICATION (PATENTSCHRIFT)
EP 812509	P	20020612	GB FG4D/REG	EUROPEAN PATENT GRANTED
EP 812509	P	20020718	EP REF	CORRESPONDS TO: (ENTSPRICHT) DE 69621782 P 20020718
EP 812509	P	20021004	EP ET	FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 819358	P	19950407	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG)) US 418823 A 19950407
EP 819358	P	19960404	EP AA	PCT-APPLICATION (PCT-ANMELDUNG) WO 96US4652 W 19960404
EP 819358	P	19960404	EP AE	EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 96910747 A 19960404
EP 819358	P	19980121	EP AK	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) DE FR GB NL
EP 819358	P	19980121	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 819358	P	19980121	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 970916
EP 819358	P	20000126	EP AK	DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY SEARCH REPORT: (IN EINEM ERGAENZENDEN RECHERCHENBERICHT BENANNT VERTRAGSSTAATEN) DE FR GB NL
EP 819358	P	20000126	EP A4	SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT)

19991215

EP 819358	P	20000202	EP RIC1	CLASSIFICATION (CORRECTION) (KLASSIFIKATION (KORR.)) 7H 04N 7/14 A, 7H 04N 5/232 B, 7G 08B 13/196 B, 7H 04N 7/15 B
EP 997039	P	19930421	EP AA	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 997039	P	19940830	EP AA	US 50861 A 19930421 PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 997039	P	19960123	EP AA	US 298104 A 19940830 PCT-APPLICATION (PCT-ANMELDUNG)
EP 997039	P	19960123	EP AE	WO 96US1501 W 19960123 EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 997039	P	20000503	EP AK	EP 96904562 A 19960123 DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 997039	P	20000503	EP AK	DE FR GB NL DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN)
EP 997039	P	20000503	EP A1	DE FR GB NL PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 997039	P	20000503	EP A4	SUPPLEMENTARY SEARCH REPORT (ERGAENZENDER RECHERCHENBERICHT) 19991014
EP 997039	P	20000503	EP 17P	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 19980729
EP 997039	P	20020925	EP 17Q	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 20020815

# JAPAN (JP)

Patent (No,Kind,Date): JP 8509337 T2 19961001  
Priority (No,Kind,Date): WO 94US4383 W 19940421; US 50861 A  
19930421  
Applic (No,Kind,Date): JP 94523574 A 19940421  
IPC: \* H04N-005/232; G09G-005/00; H04N-007/18  
Derwent WPI Acc No: \* G 94-342223; G 96-341690  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 11507184 T2 19990622  
Priority (No,Kind,Date): WO 96US2779 W 19960301; US 396574 A  
19950301  
Applic (No,Kind,Date): JP 96526411 A 19960301  
IPC: \* H04N-005/91; G11B-027/032; H04N-005/92  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 11509996 T2 19990831  
Priority (No,Kind,Date): WO 96US4652 W 19960404; US 418823 A  
19950407  
Applic (No,Kind,Date): JP 96530475 A 19960404  
IPC: \* H04N-007/18; H04N-007/15

Derwent WPI Acc No: \* G 96-465322  
Language of Document: Japanese  
Patent (No,Kind,Date): JP 2001501781 T2 20010206  
Priority (No,Kind,Date): WO 96US1501 A 19960123  
Applic (No,Kind,Date): JP 97526804 A 19960123  
IPC: \* H04N-007/01  
Derwent WPI Acc No: \* G 96-341690  
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5450140 A 19950912  
PERSONAL-COMPUTER-BASED VIDEO PRODUCTION SYSTEM (English)  
Patent Assignee: WASHINO KINYA (US)  
Author (Inventor): WASHINO KINYA (US)  
Priority (No,Kind,Date): US 50861 A 19930421; WO 96US1501 W 19960123  
Applic (No,Kind,Date): US 50861 A 19930421  
National Class: \* 348722000; 348211000; 348212000; 348213000; 348552000

IPC: \* H04N-005/232  
Derwent WPI Acc No: \* G 94-342223; G 96-341690  
Language of Document: English  
Patent (No,Kind,Date): US 5488433 A 19960130  
DUAL COMPRESSION FORMAT DIGITAL VIDEO PRODUCTION SYSTEM (English)  
Patent Assignee: WASHINO KINYA (US)  
Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
Priority (No,Kind,Date): US 396574 A 19950301; US 298104 A2 19940830; US 50861 A2 19930421; WO 96US1501 W 19960123  
Applic (No,Kind,Date): US 396574 A 19950301  
Addnl Info: 5450140 Patented  
National Class: \* 348722000; 360014100; 360014300; 358311000  
IPC: \* H04N-005/76

Derwent WPI Acc No: \* G 94-342223; G 96-341690  
Language of Document: English  
Patent (No,Kind,Date): US 5537157 A 19960716  
MULTI-FORMAT AUDIO/VIDEO PRODUCTION SYSTEM (English)  
Patent Assignee: WASHINO KINYA (US)  
Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
Priority (No,Kind,Date): US 298104 A 19940830; US 50861 A2 19930421; WO 96US1501 W 19960123  
Applic (No,Kind,Date): US 298104 A 19940830  
National Class: \* 348722000; 348911000; 348445000; 348554000; 348556000

IPC: \* H04N-005/46; H04N-007/01  
Derwent WPI Acc No: \* G 94-342223; G 96-341690; G 96-341690  
Language of Document: English  
Patent (No,Kind,Date): US 5625410 A 19970429  
VIDEO MONITORING AND CONFERENCING SYSTEM (English)  
Patent Assignee: WASHINO KINYA (US)  
Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
Priority (No,Kind,Date): US 418823 A 19950407; US 50861 A2 19930421; US 298104 A2 19940830; WO 96US1501 W 19960123  
Applic (No,Kind,Date): US 418823 A 19950407  
Addnl Info: 5450140 Patented; 5537157 Patented  
National Class: \* 348154000; 348398000; 348552000; 386112000  
IPC: \* H04N-007/18

Derwent WPI Acc No: \* G 94-342223; G 96-341690; G 96-465322  
Language of Document: English  
Patent (No,Kind,Date): US 37342 E1 20010828  
DUAL FORMAT DIGITAL VIDEO PRODUCTION SYSTEM (English)  
Patent Assignee: MULTI FORMAT INC (US)



Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H (US)  
 Priority (No,Kind,Date): US 16777 A 19980130; US 396574 A5  
 19950301; US 298104 A2 19940830; US 50861 A2 19930421  
 Applic (No,Kind,Date): US 16777 A 19980130  
 Addnl Info: 5537157 Patented; 5450140 Patented  
 National Class: \* 348722000; 386112000; 386117000; 386126000;  
 386054000; 386055000  
 IPC: \* H04N-005/76  
 Derwent WPI Acc No: \* G 94-342223; G 96-341690  
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 37342	E	19930421	US AA	PRIORITY (CONTINUATION IN PART)
			US 50861 A2	19930421
US 37342	E	19940830	US AA	PRIORITY (CONTINUATION IN PART)
			US 298104 A2	19940830
US 37342	E	19950301	US AA	PRIORITY
			US 396574 A5	19950301
US 37342	E	19980130	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 16777 A	19980130
US 37342	E	20010828	US E1	REISSUE (PRE-GRANT)
US 5450140	P	19930421	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 50861 A	19930421
US 5450140	P	19950912	US A	PATENT
US 5450140	P	19960123	US AA	PCT-APPLICATION (PCT-APPL.)
			WO 96US1501 W	19960123
US 5450140	P	19971103	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
			MULTI-FORMAT, INC. 80 HAMILTON AVE. DUMONT, NEW JERSEY 07628 ; WASHINO, KINYA : 19971029	
US 5488433	P	19930421	US AA	PRIORITY
			US 50861 A2	19930421
US 5488433	P	19940830	US AA	PRIORITY
			US 298104 A2	19940830
US 5488433	P	19950301	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 396574 A	19950301
US 5488433	P	19950327	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
			WASHINO, KINYA 80 HAMILTON AVE. DUMONT, NJ 07624 ; SCHWAB, BARRY H. : 19950301	
US 5488433	P	19960123	US AA	PCT-APPLICATION (PCT-APPL.)
			WO 96US1501 W	19960123
US 5488433	P	19960130	US A	PATENT
US 5488433	P	19960903	US CC	CERTIFICATE OF CORRECTION
US 5488433	P	19971020	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
			MULTI-FORMAT, INC. 80 HAMILTON AVE. DUMONT, NEW JERSEY 07624 ; WASHINO, KINYA : 19970930	
US 5488433	P	19980407	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)
			980130	
US 5488433	P	20020618	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED)

20010706

US 5537157	P	19930421	US AA	PRIORITY
			US 50861 A2	19930421
US 5537157	P	19940830	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 298104 A	19940830
US 5537157	P	19950320	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			WASHINO, KINYA 80 HAMILTON AVE. DUMONT, NEW	
			JERSEY 07624 ; SCHWAB, BARRY H. : 19950301	
US 5537157	P	19960123	US AA	PCT-APPLICATION (PCT-APPL.)
			WO 96US1501 W	19960123
US 5537157	P	19960716	US A	PATENT
US 5537157	P	19961224	US CC	CERTIFICATE OF CORRECTION
US 5537157	P	19971103	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			MULTI-FORMAT, INC. 80 HAMILTON AVE. DUMONT,	
			NEW JERSEY 07628 ; WASHINO, KINYA : 19971029	
US 5537157	P	19980825	US RF	REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)	
			980710	
US 5537157	P	20020430	US RF	REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)	
			20011024	
US 5625410	P	19930421	US AA	PRIORITY
			US 50861 A2	19930421
US 5625410	P	19940830	US AA	PRIORITY
			US 298104 A2	19940830
US 5625410	P	19950407	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 418823 A	19950407
US 5625410	P	19960123	US AA	PCT-APPLICATION (PCT-APPL.)
			WO 96US1501 W	19960123
US 5625410	P	19970207	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			WASHINO, KINYA 80 HAMILTON DUMONT, NEW JERSEY	
			07624 ; SCWAB, BARRY H. : 19950406	
US 5625410	P	19970429	US A	PATENT
US 5625410	P	19971103	US AS02	ASSIGNMENT OF ASSIGNOR'S
			INTEREST	
			MULTI-FORMAT, INC. 80 HAMILTON AVE. DUMONT,	
			NEW JERSEY 07628 ; WASHINO, KINYA : 19971029	
US 5625410	P	19990615	US RF	REISSUE APPLICATION FILED
			(REISSUE APPL. FILED)	
			19990428	

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Patent (No,Kind,Date): WO 9424813 A1 19941027

MULTIMEDIA VIDEO PRODUCTION SYSTEM (English)

Patent Assignee: WASHINO KINYA (US)

Author (Inventor): WASHINO KINYA (US)

Priority (No,Kind,Date): US 50861 A 19930421

Applic (No,Kind,Date): WO 94US4383 A 19940421

Designated States: (National) CA; JP (Regional) AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE

Filing Details: WO 130000 With international search report; Before expiration of time limit for amending the claims and to be republished in the event of the receipt of the amendments

IPC: \* H04N-005/222; H04N-005/232; H04N-005/14; H04N-007/10;

H04N-007/18; H04N-007/14  
 Derwent WPI Acc No: \* G 94-342223; G 96-341690; G 94-342223  
 Language of Document: English  
 Patent (No,Kind,Date): WO 9627263 A1 19960906  
 DUAL COMPRESSION FORMAT DIGITAL VIDEO PRODUCTION SYSTEM (English)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H  
 Priority (No,Kind,Date): US 396574 A 19950301  
 Applic (No,Kind,Date): WO 96US2779 A 19960301  
 Designated States: (National) CA; JP (Regional) AT; BE; CH; DE; DK;  
 ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
 Filing Details: WO 130000 With international search report; Before  
 expiration of time limit for amending the claims and to be  
 republished in the event of the receipt of the amendments  
 IPC: \* H04N-005/76  
 Language of Document: English  
 Patent (No,Kind,Date): WO 9631984 A1 19961010  
 VIDEO MONITORING AND CONFERENCING SYSTEM (English)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H  
 Priority (No,Kind,Date): US 418823 A 19950407  
 Applic (No,Kind,Date): WO 96US4652 A 19960404  
 Designated States: (National) CA; JP (Regional) AT; BE; CH; DE; DK;  
 ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
 Filing Details: WO 100000 With international search report  
 IPC: \* H04N-007/18  
 Derwent WPI Acc No: \* G 96-465322; G 96-465322  
 Language of Document: English  
 Patent (No,Kind,Date): WO 9727704 A1 19970731  
 MULTI-FORMAT AUDIO/VIDEO PRODUCTION SYSTEM WITH FRAME-RATE CONVERSION  
 (English)  
 Patent Assignee: WASHINO KINYA (US)  
 Author (Inventor): WASHINO KINYA (US); SCHWAB BARRY H  
 Priority (No,Kind,Date): WO 96US1501 A 19960123; US 298104 A  
 19940830; US 50861 A 19930421  
 Applic (No,Kind,Date): WO 96US1501 A 19960123  
 Designated States: (National) CA; JP (Regional) AT; BE; CH; DE; DK;  
 ES; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE  
 Filing Details: WO 100000 With international search report  
 IPC: \* H04N-007/01  
 Derwent WPI Acc No: \* G 94-342223; G 96-341690  
 Language of Document: English

WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)

Legal Status (No,Type,Date,Code,Text):  
 WO 9424813 P 19930421 WO AA PRIORITY (PATENT)  
 US 50861 A 19930421  
 WO 9424813 P 19940421 WO AE APPLICATION DATA (APPL.  
 DATA)  
 WO 94US4383 A 19940421  
 WO 9424813 P 19941027 WO AK DESIGNATED STATES CITED IN A  
 PUBLISHED APPLICATION WITH SEARCH REPORT  
 (DESIGNATED STATES CITED IN A PUBLISHED APPL.  
 WITH SEARCH REPORT)  
 CA JP  
 WO 9424813 P 19941027 WO AL DESIGNATED COUNTRIES FOR  
 REGIONAL PATENTS CITED IN A PUBLISHED  
 APPLICATION WITH SEARCH REPORT (DESIGNATED  
 COUNTRIES FOR REGIONAL PATENTS CITED IN A  
 PUBLISHED APPL. WITH SEARCH REPORT)  
 AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT

		SE	
WO 9424813	P	19941027 WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO 9424813	P	19941208 WO B	LATER PUBLICATION OF AMENDED CLAIMS (LATER PUB. OF AMENDED CLAIMS)
WO 9424813	P	19950118 WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9424813	P	19950223 WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
WO 9424813	P	19951020 WO ENP	ENTRY INTO THE NATIONAL PHASE IN: CA 2161112 AA
WO 9424813	P	19960828 WO 122	EP: PCT APP. NOT ENT. EUROP. PHASE (EP: PCT ANM. NICHT IN EUROP. PHASE EING.)
WO 9627263	P	19950301 WO AA	PRIORITY (PATENT)
		US 396574 A	19950301
WO 9627263	P	19960301 WO AE	APPLICATION DATA (APPL. DATA)
		WO 96US2779 A	19960301
WO 9627263	P	19960906 WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
		CA JP	
WO 9627263	P	19960906 WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)
		AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE	
WO 9627263	P	19960906 WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO 9627263	P	19961127 WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9627263	P	19961227 WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
WO 9627263	P	19970827 WO ENP	ENTRY INTO THE NATIONAL PHASE IN: CA 2213973 AA
WO 9627263	P	19970901 WO ENP	ENTRY INTO THE NATIONAL PHASE IN: JP 96526411 A
WO 9631984	P	19950407 WO AA	PRIORITY (PATENT)
		US 418823 A	19950407
WO 9631984	P	19960404 WO AE	APPLICATION DATA (APPL. DATA)
		WO 96US4652 A	19960404
WO 9631984	P	19961010 WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT)

		CA JP	
WO 9631984	P	19961010 WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
WO 9631984	P	19961010 WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO 9631984	P	19970115 WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9631984	P	19970123 WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
WO 9631984	P	19970917 WO ENP	ENTRY INTO THE NATIONAL PHASE IN: CA 2215741 AA
WO 9631984	P	19971006 WO ENP	ENTRY INTO THE NATIONAL PHASE IN: JP 96530475 A
WO 9727704	P	19930421 WO AA	PRIORITY (PATENT) US 50861 A 19930421
WO 9727704	P	19940830 WO AA	PRIORITY (PATENT) US 298104 A 19940830
WO 9727704	P	19960123 WO AE	APPLICATION DATA (APPL. DATA) WO 96US1501 A 19960123
WO 9727704	P	19970731 WO AK	DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED STATES CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) CA JP
WO 9727704	P	19970731 WO AL	DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT (DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPL. WITH SEARCH REPORT) AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
WO 9727704	P	19970731 WO A1	PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)
WO 9727704	P	19971022 WO 121	EP: PCT APP. ART. 158 (1) (EP: PCT ANM. ART. 158 (1))
WO 9727704	P	19971023 WO DFPE	REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE
WO 9727704	P	19980717 WO ENP	ENTRY INTO THE NATIONAL PHASE IN: CA 2243859 AA
WO 9727704	P	19980723 WO ENP	ENTRY INTO THE NATIONAL PHASE IN: JP 97526804 A